



DATA SHEET

UF16 0 0 FCT ~ UF16 0 8 FCT

ISOLATION ULTRAFST SWITCHING RECTIFIER

VOLTAGE- 50 to 800 Volts CURRENT - 16.0 Amperes

FEATURES

- Plastic package has Underwriters Laboratory Flammability Classification 94V-O .
Flame Retardant Epoxy Molding Compound.
- Exceeds environmental standards of MIL-S-19500/228.
- Low power loss,high efficiency.
- Low forward voltage, high current capability.
- High surge capacity.
- Ultra fast recovery times, high voltage.

MECHANICAL DATA

Case: ITO-220AB molded plastic

Terminals:Solder plated, solderable per MIL-STD-202, Method 208

Polarity: As marked.

Standard packaging: Any

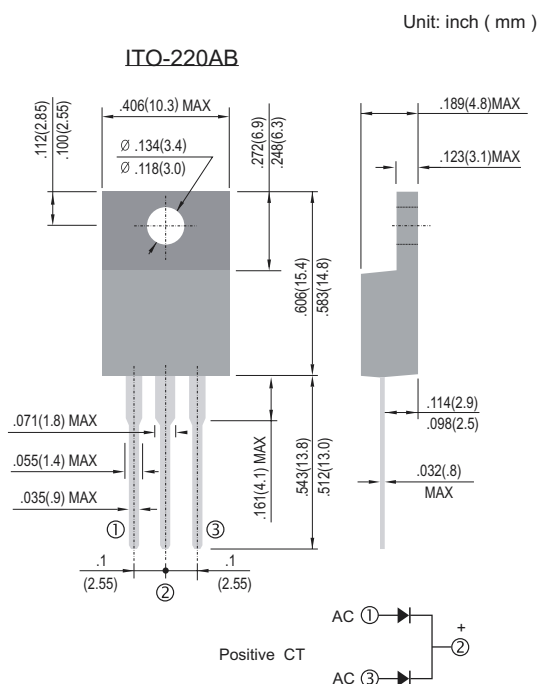
Weight: 0.08 ounce, 2.24 grams.

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase , half wave ,60Hz, resistive or inductive load.

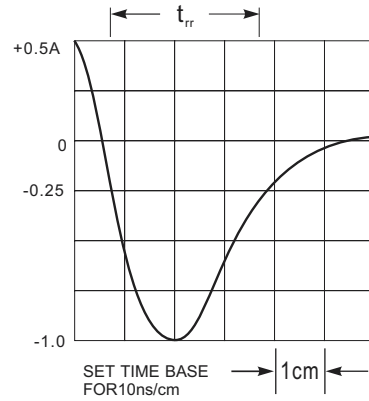
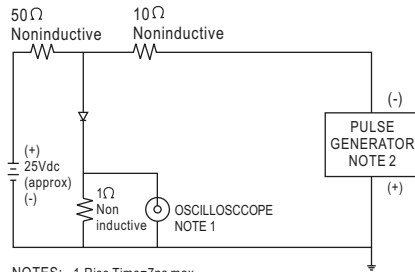
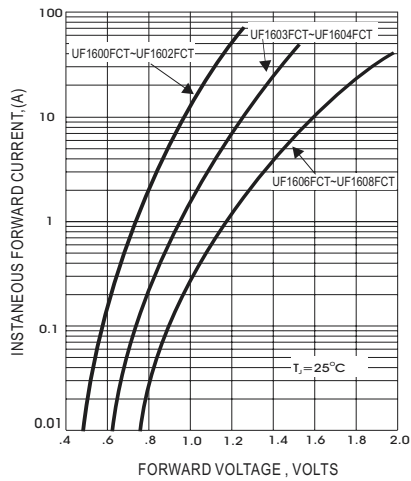
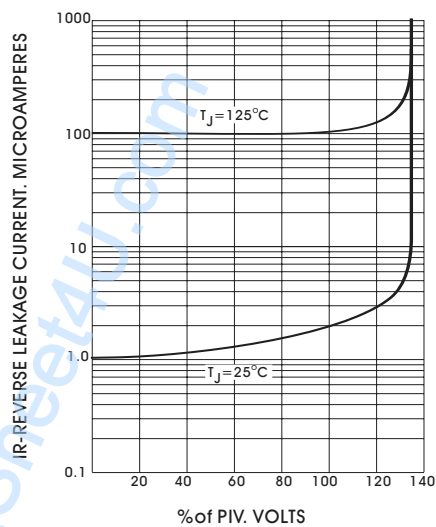
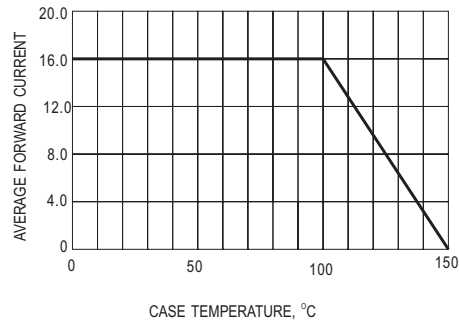
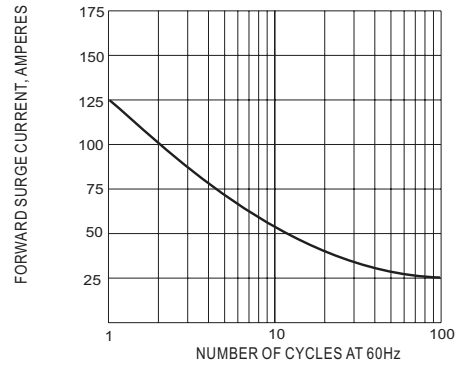
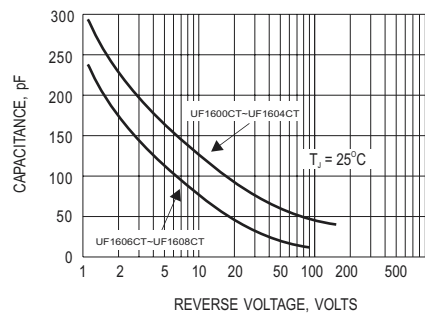
For capacitive load , derate current by 20%.

[illegible]

NOTES:1. Reverse Recovery Test Conditions: $I_F=0.5A$, $I_R=1A$, $I_{RR}=0.25A$

2. Measured at 1 MHz and applied reverse voltage of 4.0 VDC

3. Thermal resistance from junction to ambient and from junction to lead length 0.375"(9.5mm) P.C.B. mounted

RATING AND CHARACTERISTIC CURVES

Fig.1- REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM

Fig. 2- FORWARD CHARACTERISTICS

Fig.5- TYPICAL REVERSE CHARACTERISTICS

Fig.3- FORWARD CURRENT DERATING CURVE

Fig.4- PEAK FORWARD SURGE CURRENT

Fig.6- TYPICAL JUNCTION CAPACITANCE